

# ABSTRACT

"An apparatus enabling liquid transfer by capillary action therein".

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5           This invention concerns an apparatus (1) comprising at least one planar surface (2) whereat compartments (3) are found and are defined by a partition (4), the compartments creating a space which makes it possible to displace at least one liquid sample (5 and/or 15) and, when there are at least two liquid samples (5 and 15), makes it possible to displace them both in an independent way and bring them together so that they can react with one another. The compartments (3) consist of at least two different types of groove:

10           - a first type of groove, said to be deep (6), serving as a partitioning means of the sample(s) (5 and/or 15); and  
15           - a second type of groove, said to be shallow (16), serving as a receiving means for said sample(s) (5 and/or 15),  
the two types of groove (6 and 16) making it possible to direct sample movements (5 and/or 15) by altering the orientation of the  
20           apparatus (1).

          The invention is particularly applicable for the micromanipulation of fluids in biological applications.

Figure 4

**ABSTRACT OF THE DISCLOSURE:**

An apparatus (1) which includes at least one planar surface (2) having compartments (3) which are defined by a partition (4), the compartments creating a space which makes it possible to displace at least one liquid sample (5 and/or 15) and, when there are at least two liquid samples (5 and 15), makes it possible to displace them both in an independent way and bring them together so that they can react with one another. The compartments (3) include at least two different types of groove: a deep groove (6), capable of partitioning the sample(s) (5 and/or 15), and a shallow groove capable of receiving the sample(s) (5 and/or 15), the two types of groove (6 and 16) making it possible to direct sample movements (5 and/or 15) by altering the orientation of the apparatus (1). The invention is particularly applicable for the micromanipulation of fluids in biological applications.

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